

### **REMARKS**

This Amendment is filed in response to the Office Action date December 12, 2005. In response to the Office Action, Applicant has cancelled Claims 57, 68-70, and 72-82 without prejudice and amended Claims 1, 3, 13, 16, 18, 20, 35, 36-39, 41, 56, 58, 64-66, and 71. Following these amendments, the application now includes Claims 1-56, 58-67, and 71, with Claims 1, 13, 16, 18, 35, 37, 39, 56, 58, 64, 65, 66, and 71 being independent claims. Applicant respectfully submits that the claims as currently presented are patentable over the cited references and respectfully requests reconsideration and allowance of the application in light of the following remarks.

#### **I. Independent Claims 1, 18, 39, 58, 65, 66, and 71 Are Patentable**

In paragraph 4 of the Office Action, the Examiner indicated that Claim 3 contained patentable subject matter. Applicant has amended independent Claims 1, 18, 39, 58, 65, 66, and 71 to include most of the recitations of Claim 3. Applicant did not, however, include the final phrase of Claim 3 “wherein, for each coefficient, said coefficient generator updates the coefficient by adding the respective term to a previous value of the coefficient,” as Applicant does not believe that this phrase is needed to be patentable over the cited references. Applicant respectfully submits that independent Claims 1, 18, 39, 58, 65, 66, and 71, as well as the claims that depend therefrom, are patentable over the cited references.

#### **II. Independent Claim 13 Is Patentable**

In paragraph 4 of the Office Action, the Examiner indicated that Claim 13 contained patentable subject matter. Applicant has rewritten Claim 13 in independent form, and as such, Applicant respectfully submits that independent Claim 13, as well as the claims that depend therefrom, are patentable.

### **III. Independent Claim 16 Is Patentable**

In paragraph 4 of the Office Action, the Examiner indicated that Claim 16 contained patentable subject matter. Applicant has rewritten Claim 16 in independent form, and as such, Applicant respectfully submits that independent Claim 16, as well as the claims that depend therefrom, are patentable.

### **IV. Independent Claim 35 Is Patentable**

In paragraph 4 of the Office Action, the Examiner indicated that Claim 36 contained patentable subject matter. Applicant has amended independent Claim 35 to include most of the recitations of Claim 36. Applicant did not, however, include the final phrase of Claim 36 “thereafter updates the coefficient by adding the term to the previous value of the coefficient,” as Applicant does not believe that this phrase is needed to be patentable over the cited references. Applicant respectfully submits that independent Claim 35 is patentable over the cited references.

### **V. Independent Claim 37 Is Patentable**

In paragraph 4 of the Office Action, the Examiner indicated that Claim 38 contained patentable subject matter. Applicant has amended independent Claim 37 to include most of the recitations of Claim 38. Applicant did not, however, include the final phrase of Claim 38 “thereafter said updating step updates the coefficient by adding the term to the previous value of the coefficient,” as Applicant does not believe that this phrase is needed to be patentable over the cited references. Applicant respectfully submits that independent Claim 37 is patentable over the cited references.

### **VI. Independent Claim 56 Is Patentable**

In paragraph 4 of the Office Action, the Examiner indicated that Claim 57 contained patentable subject matter. Applicant has amended independent Claim 56 to include the recitations of Claim 57. As such, Applicant respectfully submits that independent Claim 56 is patentable over the cited references.

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## **VII. Independent Claim 64 Is Patentable**

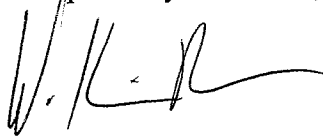
In paragraph 4 of the Office Action, the Examiner indicated that Claim 64 contained patentable subject matter. Applicant has rewritten Claim 64 in independent form, and as such, Applicant respectfully submits that independent Claim 64, as well as the claims that depend therefrom, are patentable.

## **CONCLUSION**

In light of the amended claims and the remarks above, Applicant respectfully submits that the application is in condition for allowance and respectfully request that a Notice of Allowance be issued. The Examiner is encouraged to contact Applicant's counsel to discuss any outstanding issues so as to expedite the application.

It is not believed that extensions of time or fees for net addition of claims are required, beyond those that may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 CFR § 1.136(a), and any fee required therefore (including fees for net addition of claims) is hereby authorized to be charged to Deposit Account No. 16-0605.

Respectfully submitted,



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